

# Job Title: Design Control Coordinating Officer IO0192

Requisition ID **5641** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Engineering of Systems - New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this video

**Application deadline:** 06/02/2022

**Domain:** Engineering

**Department:** Central Integration Office

**Division:** Configuration Management

**Section:** Design and Configuration Control

**Job Family:** Engineering

**Job Role:** Coordinating Engineer

**Job Grade:** P4

**Language requirements:** Fluent in English (written & spoken)

**Contract duration:** Up to 5 years

## **Purpose**

In this role as a Design Control Coordinating Officer, you will develop, implement and maintain the Design Control processes during the design, procurement, construction and commissioning of ITER. You will also develop and implement a program to apply Design Control processes for the operation of ITER, ensuring that the facility configuration always remains within its licensing conditions.

## **Background**

The Configuration Management Division (CMD) provides procedures and rules to assure the proper management of the technical baselines, documentation, and associated technical data.

In order to support CMD Head, the Design and Configuration Control Section (DCC) is amongst others in charge of maintaining the design control function. This consists of establishing the design control requirements for the whole project, as well as coordinating the execution of the design processes and gate reviews in consistency with the overall project schedule.

## **Key Duties, Scope, and Level of Accountability**

- Establishes, implements, maintains design control processes, i.e., procedures in line with the design control requirements stipulated in Quality Assurance Program (QAP);

- Coordinates the elaboration of plans, especially for design gate reviews, to ensure the integration of all design and procurement activities related to ITER systems;
- Develops and starts-up a program to make design control processes applicable for operations in order to meet expectations of the nuclear regulator which includes the refinement of the ITER As-built requirements and control of the design basis;
- Defines design control software requirements and follows up with the software implementation and customization;
- Coordinates the systems engineering activities of other team members, including design review preparation, and technical requirement management;
- Manages the procurement of external support contracts to perform these activities;
- Establishes staff certification schemes in the area of design control and necessary trainings for the technical staff members;
- Ensures that the scope and scheduling of the design reviews fulfill the technical integration needs of the ITER project;
- Collaborates with other internal stakeholders to ensure that nuclear and conventional safety and security aspects are properly taken into account during the design processes;
- Supports the preparation of, and participates in, formal design reviews of the ITER plant systems;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, week-ends and public holidays.

### Measure of Effectiveness

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- Produces the yearly update of the ITER design review plan and submits it for senior management's approval in a timely manner;
- Controls the proper execution of the design control processes together with relevant internal stakeholders;
- Develops a suitable and achievable strategy for systems engineering processes related to the operation of ITER;
- Efficiently supports the DCC Section Leader when requested in management of systems engineering processes and related matters;
- Liaises effectively with Quality Management Division to ensure that systems engineering processes are implemented in line with QAP;
- Maintains effective communication and excellent relations with interfacing teams within ITER and with external contractors;

### Experience & Profile

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- **Professional Experience:**
  - Minimum 10 years' experience of systems engineering in the field of nuclear facilities within complex international environments or projects.
- **Education:**
  - Master's degree or equivalent in Systems Engineering, mechanical engineering, process engineering or other relevant discipline;
  - The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
- **Language requirements:**
  - Fluent in English (written and spoken).
- **Technical competencies and demonstrated experience in:**
  - **Systems Engineering and Design Control:** Implementation of systems engineering and design control procedures of large industrial facilities or nuclear plants;
  - **Quality Control:** Verifying compliance of products or processes with all applicable requirements;

- **Problem Solving:** Assessing problems, identifying root causes and reaching practical solutions in a consistent way to reach project objectives (time and cost);
  - **Project Management:** Planning, measuring progress of project work, managing risks and reporting on progress;
  - **Coordination of activities** of a multidisciplinary team;
  - **Engineering aspects of the design and operation** of the Tokamak systems would be advantageous.
  - **Behavioral competencies:**
    - Collaborate: Ability to facilitate dialogue with a wide variety of contributors and stakeholders;
    - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
    - Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
    - Manage Complexity: Ability to analyze multiple and diverse sources of information to understand problems accurately before moving to proposals;
    - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
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***The following important information shall apply to all jobs at ITER Organization:***

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project's objectives.